

PATENT

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Date: 14 Apr. 2008

Lisa L. Pringle  
Signature  
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(type or print name of person certifying)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Henry Frank Gasbarro et al.  
Serial No. : 10/634,295  
Filing Date : August 5, 2003  
For : DISMOUNT TABLET COMPUTER  
FOR WIRELESS COMMUNICATION  
APPLICATION  
Group Art Unit : 7971  
Examiner : Brian J. Broadhead  
Attorney Docket No. : NG(MS)6620  
Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

DECLARATION UNDER 37 CFR §1.131

We, the named inventor in the subject patent application, in accordance with 37 CFR §1.131, hereby declare that:

1. I, along with my co-inventors, Robert R. Berry and Henry Frank Gasbarro, conceived and completed a prototype of our claimed invention in this country before February 13, 2003, which is the earliest available priority date of U.S. Published Application U.S. 2004/0165369.
2. The claimed invention is a tablet computer assembly. As defined in pending claims 1-7 and 26-28 of this application, the tablet computer assembly comprises a global positioning system (GPS) module that produces location information, an L-band transceiver that broadcasts the location information to a satellite relay and receives location information from at least one portable communications device, and a processing unit that provides messages to the L-band transceiver and updates a display according the received location information and the location information produced at the GPS module.
3. As defined in pending claims 29-33 of this application, a portable communications system, incorporating the tablet computer assembly, comprises a global positioning system module that produces location information associated with the position of the tablet computer assembly. A transceiver broadcasts the location information directly to a satellite relay and receives location information from at least one portable communications device via the satellite relay. A tablet computer, operatively connected to the transceiver and the global positioning

module through at least one aperture in a back plate of the tablet computer, provides messages to the transceiver and updates a display associated with the tablet computer assembly according the received location information and the location information produced at the global positioning system module. A Faraday cage encloses the transceiver and the global positioning system module to reduce electromagnetic interference. The back plate of the tablet computer, forms one wall of the Faraday cage and a metallic enclosure encloses the transceiver and the global positioning system module to form a back of the tablet computer. The Faraday cage is configured as a heat sink to draw heat from the L-band transceiver away from the tablet computer.

4. As defined in pending claims 34-39 of this application, the tablet computer assembly, comprises a global positioning system module that produces location information associated with the position of the tablet computer assembly. An L-band transceiver broadcasts the location information to a satellite relay and receives location information from at least one portable communications device via the satellite relay. A processing unit provides messages to the L-band transceiver and updates a display associated with the tablet computer assembly according the received location information and the location information produced at the global positioning system module. A single, detachable antenna is operatively connected to the L-band transceiver and the global positioning module to facilitate the

transmission and reception of messages by the L-band transceiver and reception of data at the global positioning module.

5. Exhibit A is a copy of a photograph of the claimed invention in disassembled form. Text labels have been added to aid in the identification of the components, but the photograph is otherwise provided as originally taken. This photograph was taken of the disassembled tablet assembly in the United States prior to February 13, 2003.
6. Exhibit B is a schematic drawing of the input/output board used to provide connectivity between the processing portion of the tablet computer and the L-band transmitter (Enhanced Chipset with GPS) made on a date prior to February 13, 2003.
7. Exhibit C is a copy of photograph of the completed tablet computer assembly in operation. This photograph was taken at a meeting with Col. Nick Justice, Thomas Plavcan, Bob Alexander, and Leo Emery at Fort Monmouth, New Jersey on February 18, 2003.
8. The tablet computer assembly illustrated in Exhibits A and C was tested in this country and determined to be operational prior to February 13, 2003.

9. I hereby declare that the tablet computer assembly illustrated in Exhibits A and C comprised an operative embodiment of the invention defined in the pending claims 1-7 and 26-39 of the present patent application.
10. I further declare that all statements made herein of our my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

9 APR 2008

Date

Joseph E. Carpenter  
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